

006120" 06261960

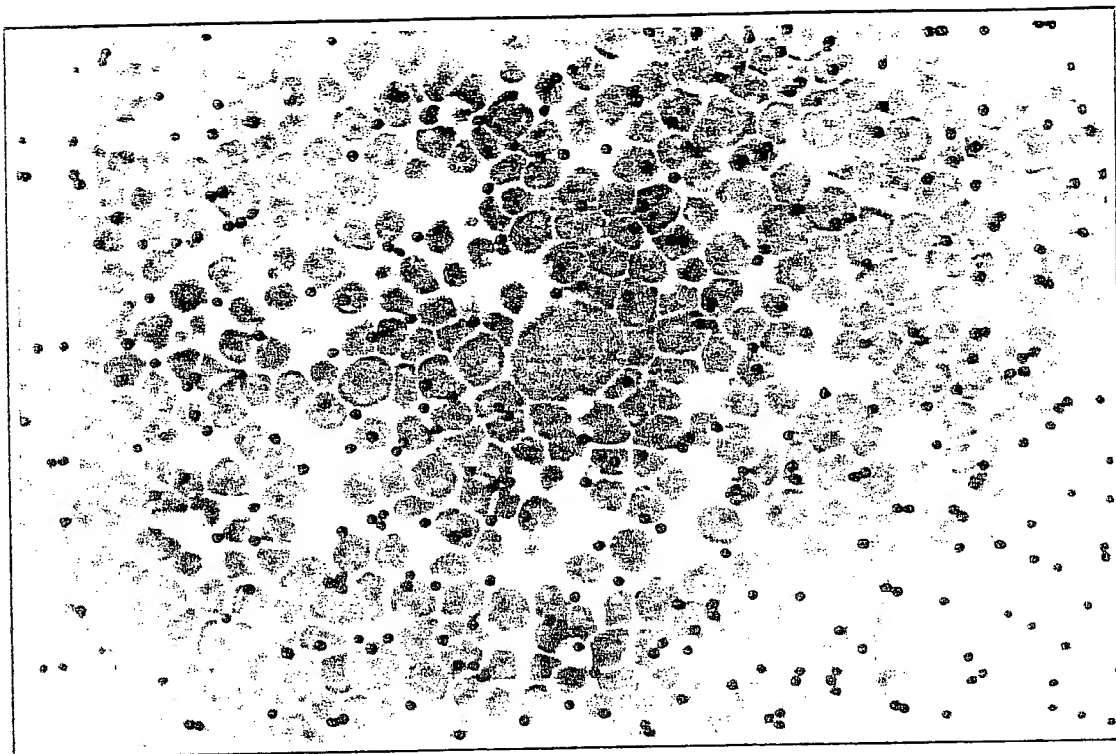


Fig-1A

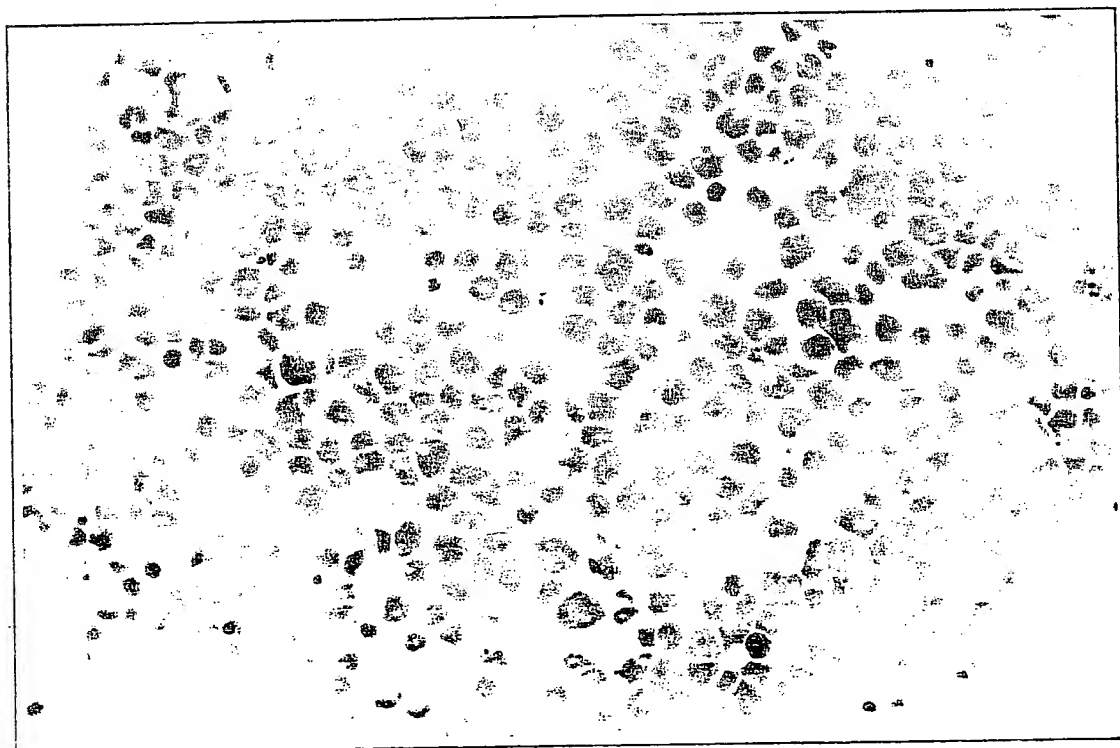


Fig-1B

006T20" 0626T960

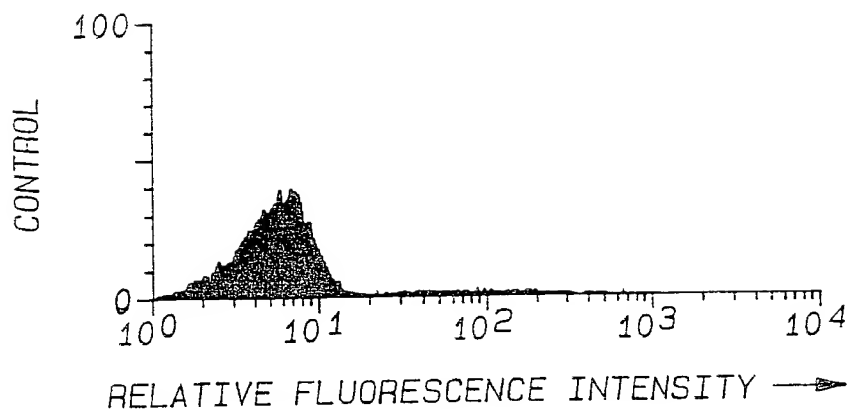


Fig-2A

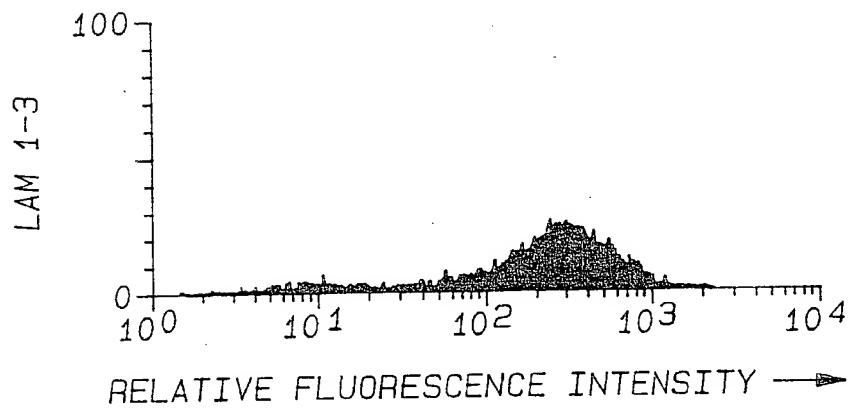


Fig-2B

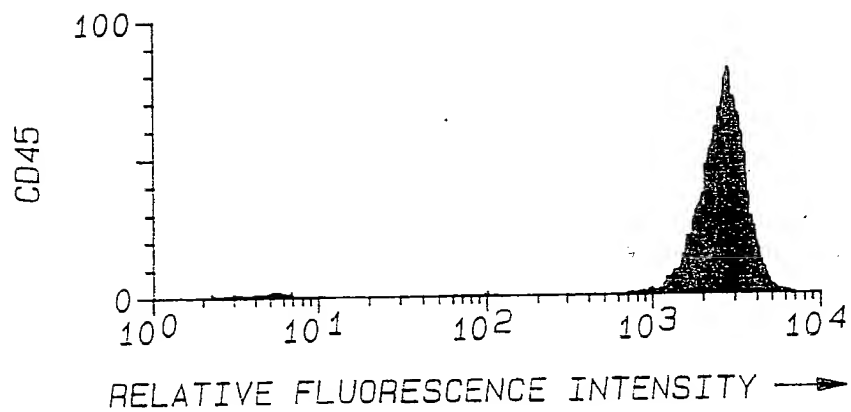


Fig-2C

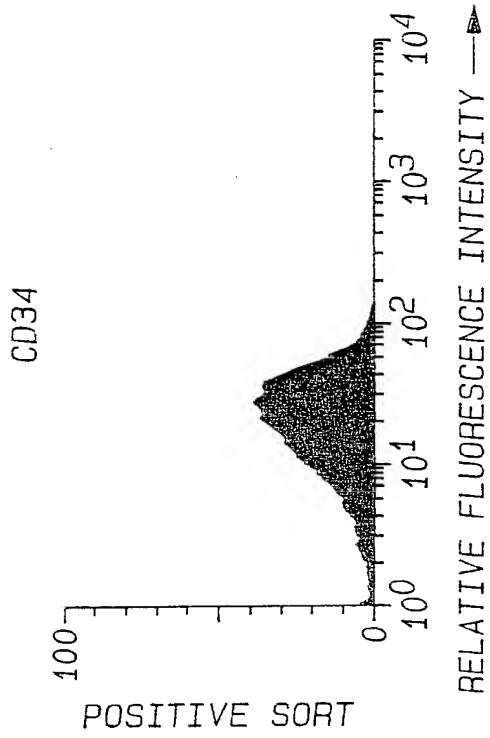


Fig-3B

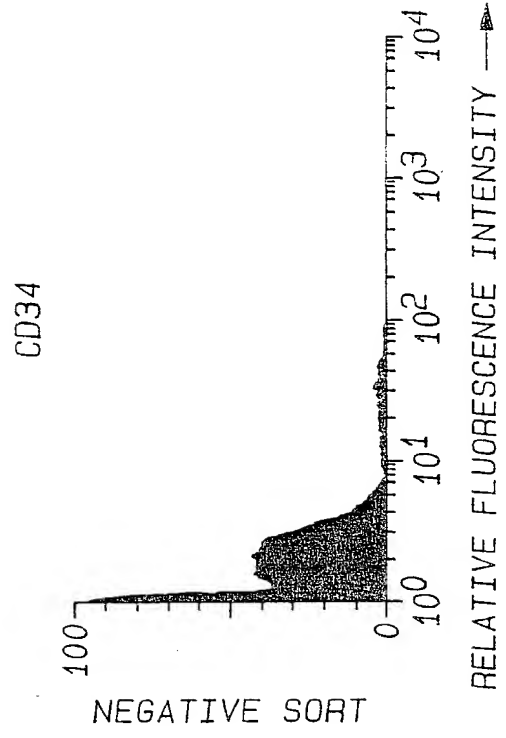


Fig-3D

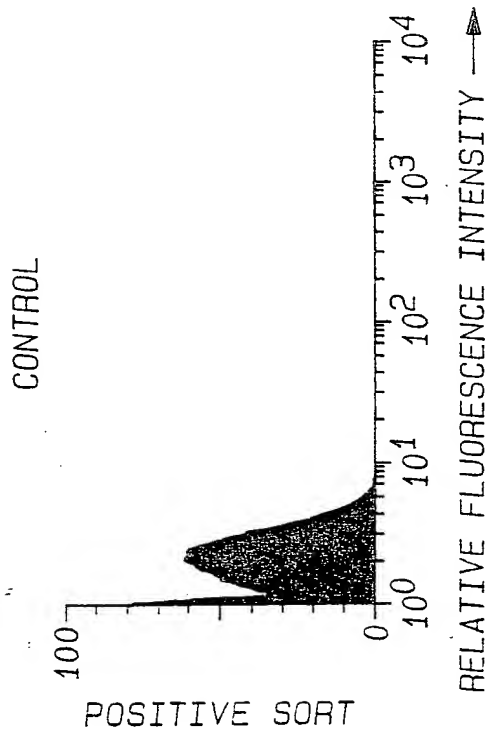


Fig-3A

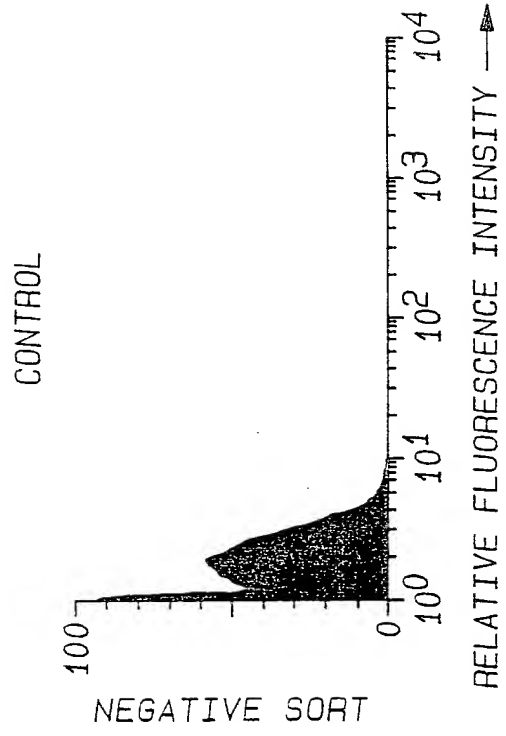


Fig-3C

006T20" 0626T960

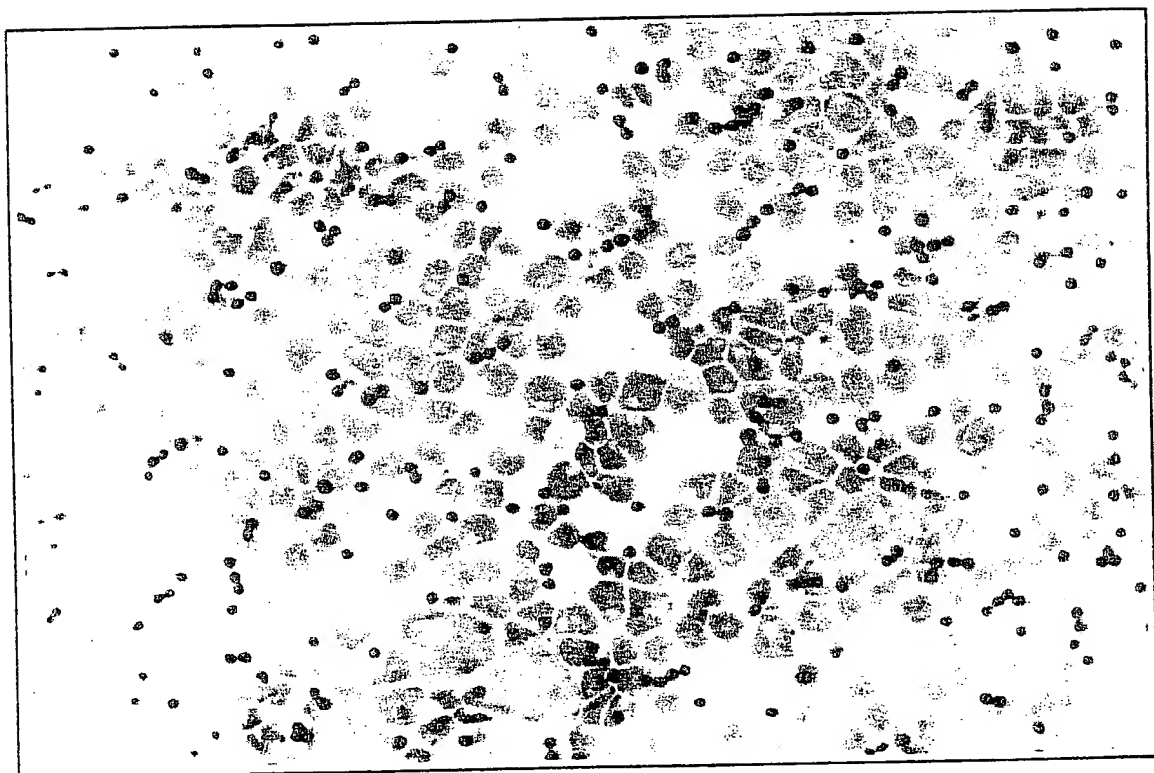
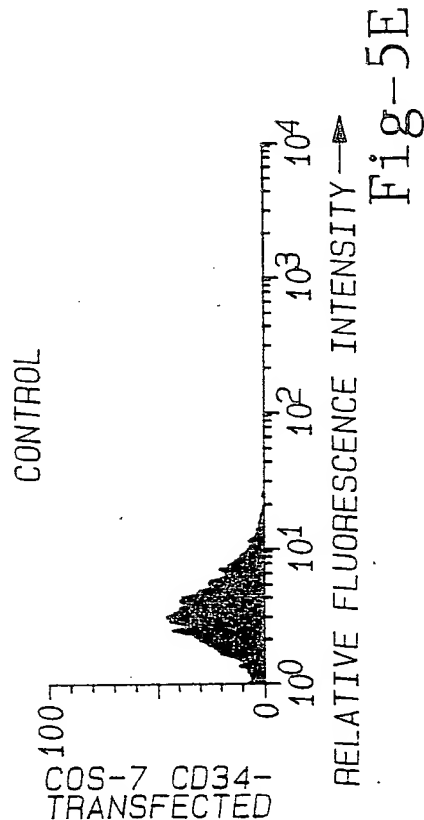
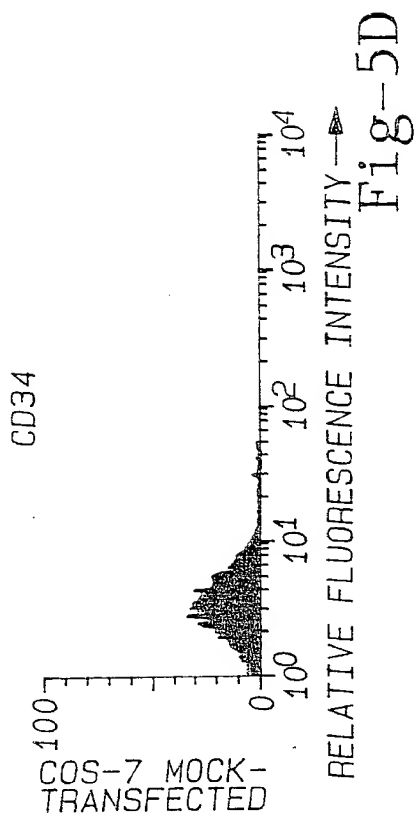
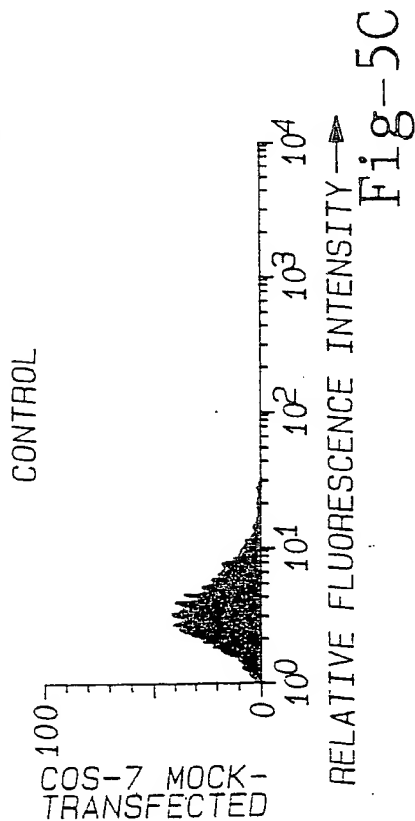
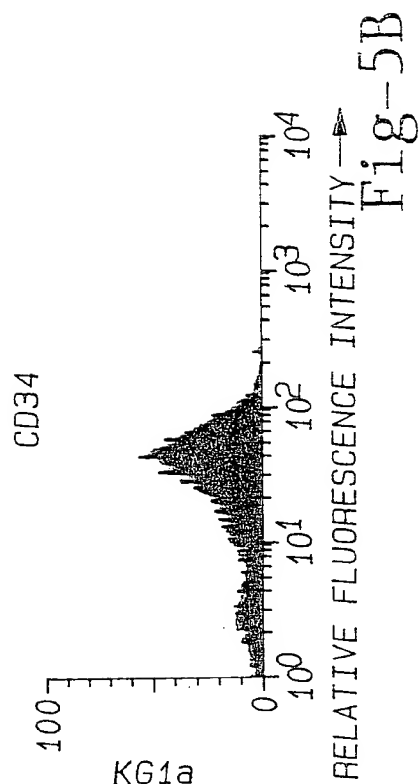
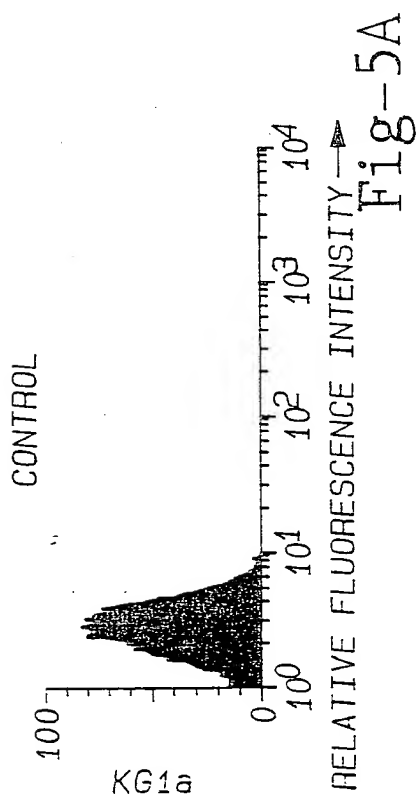
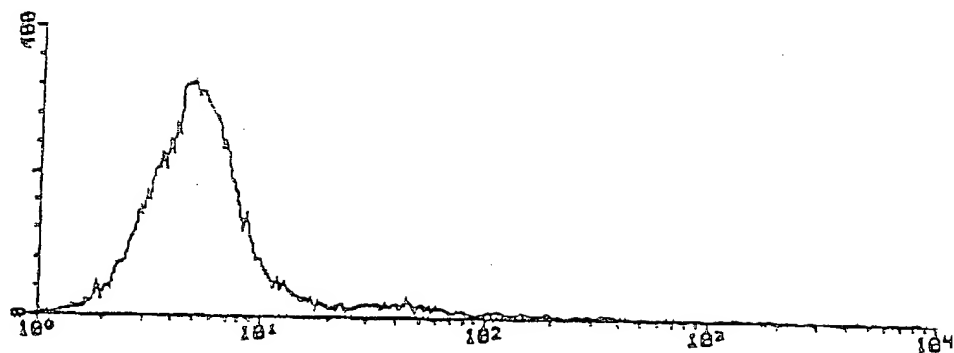


Fig-4



006T20" 0626T960

A.



B.

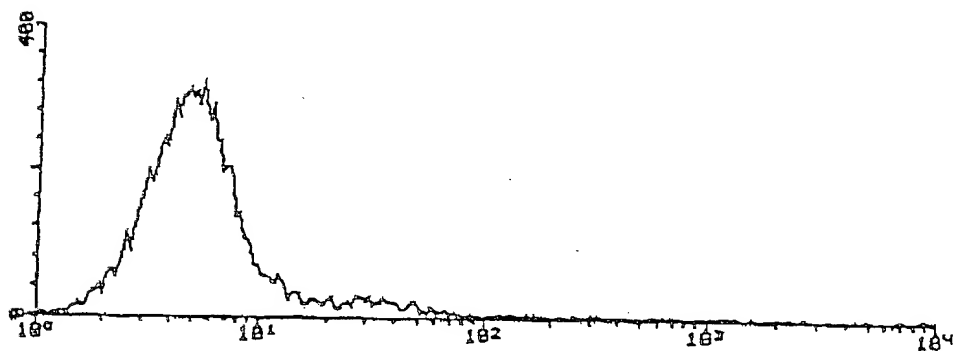


FIGURE 6 A-B

006720" 06267960

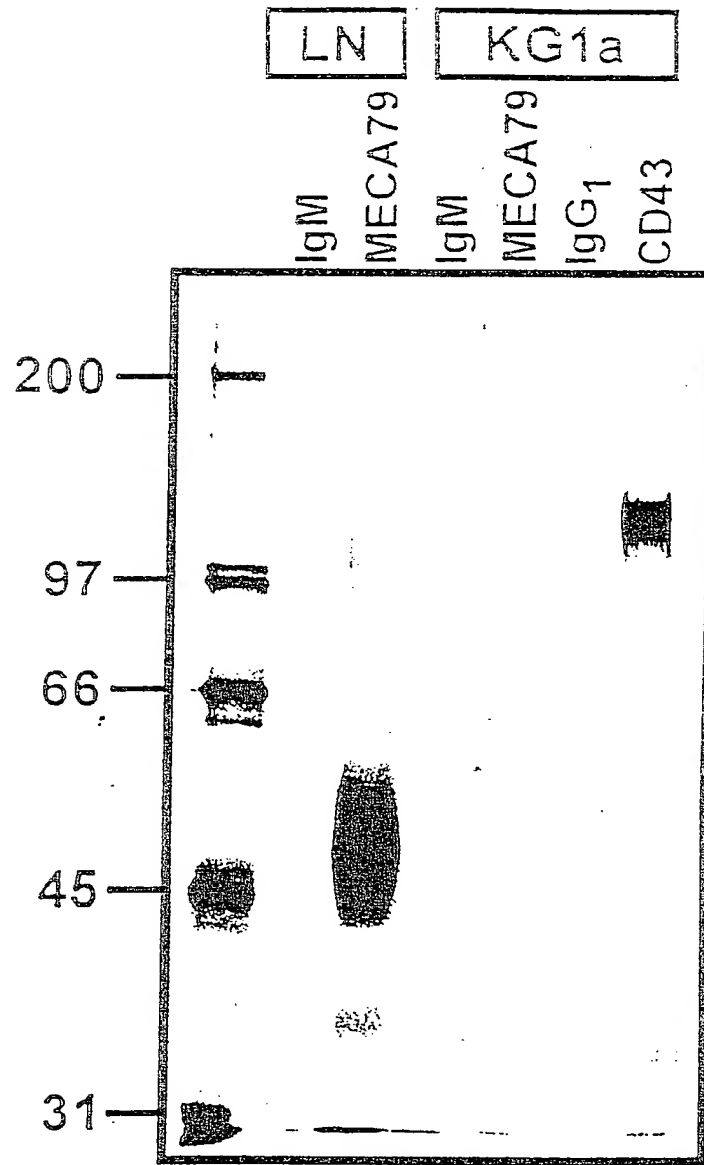
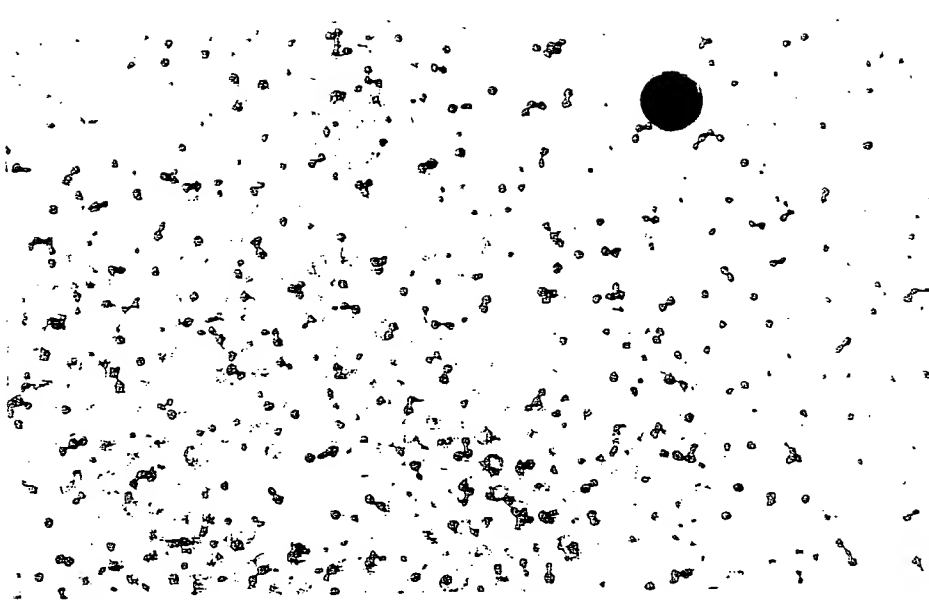


FIGURE 6 C

006T70" 0626T960

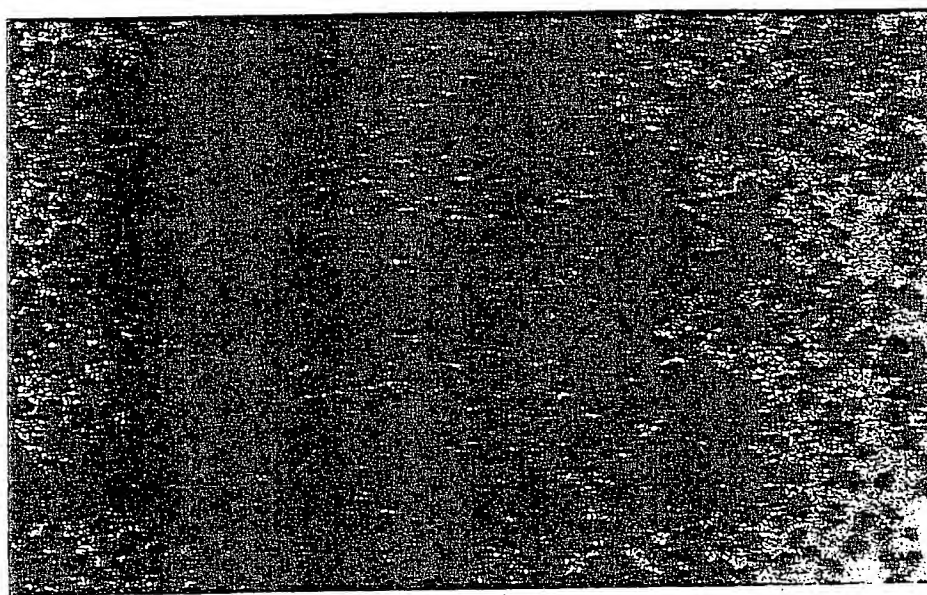
top

A.



middle

B.



bottom

C.

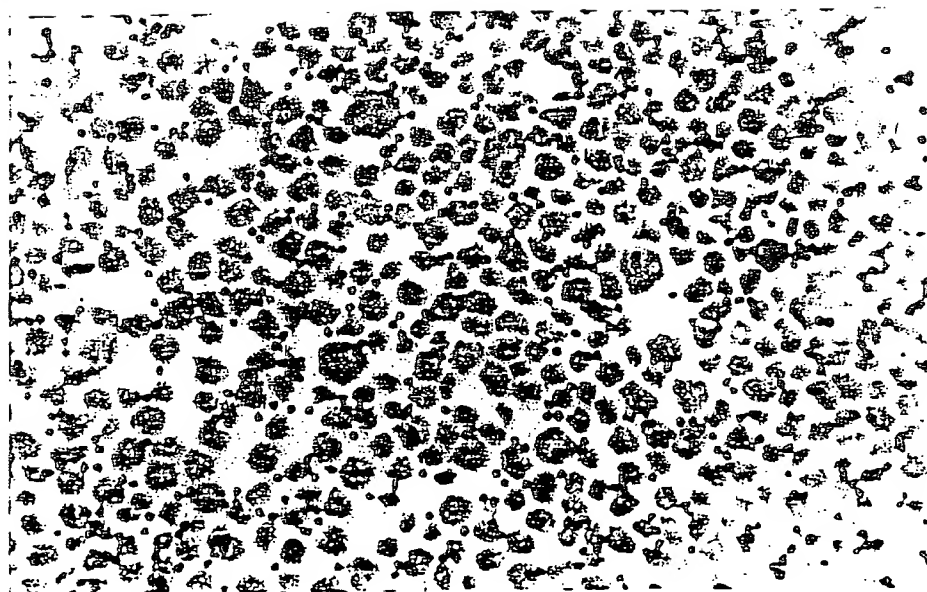


FIGURE 7 A-C

006T70" 0626T960

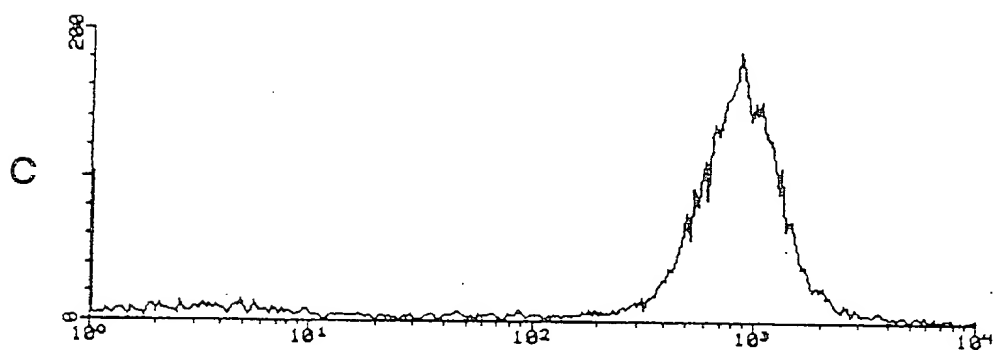
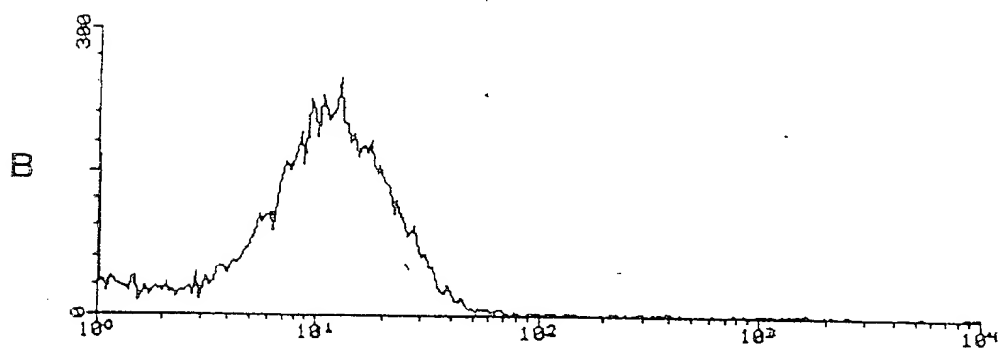
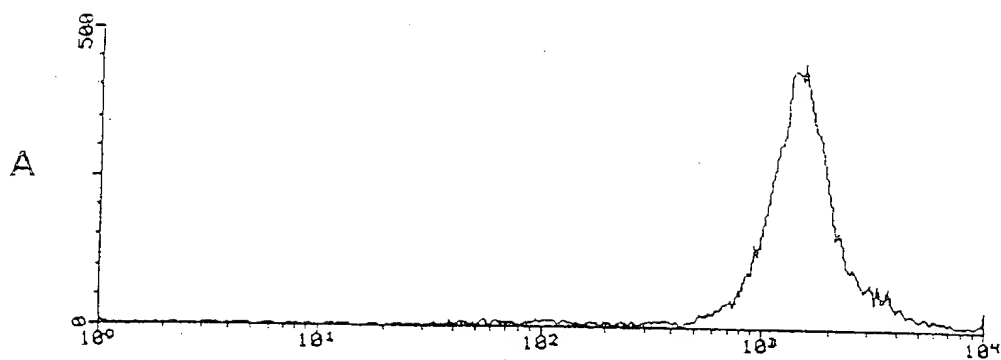


FIGURE 8 A-C

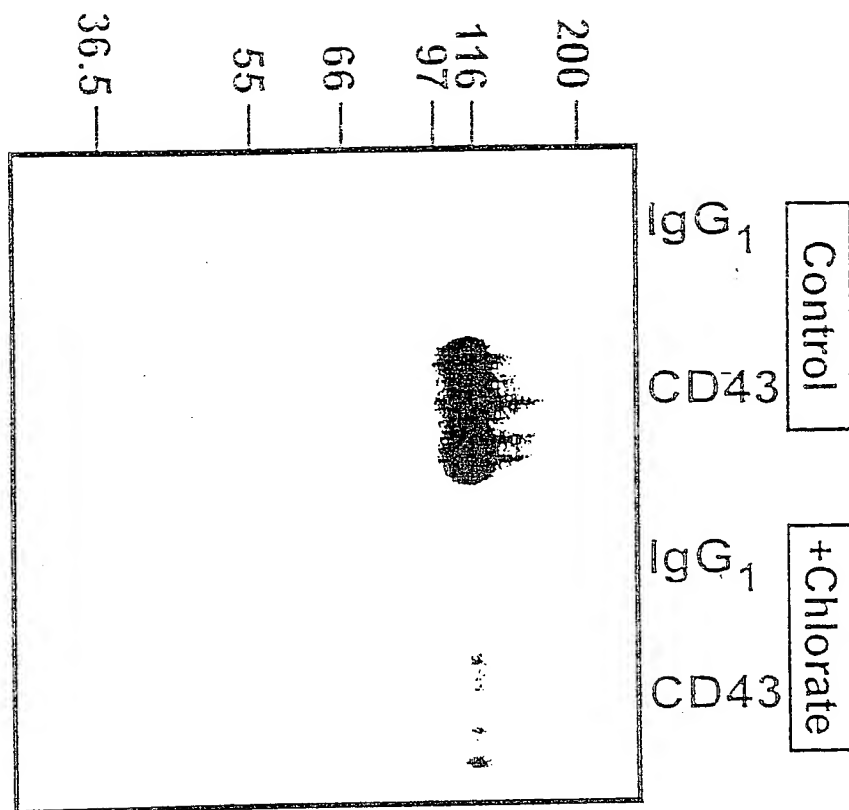


FIGURE 9 A

0061990 071900

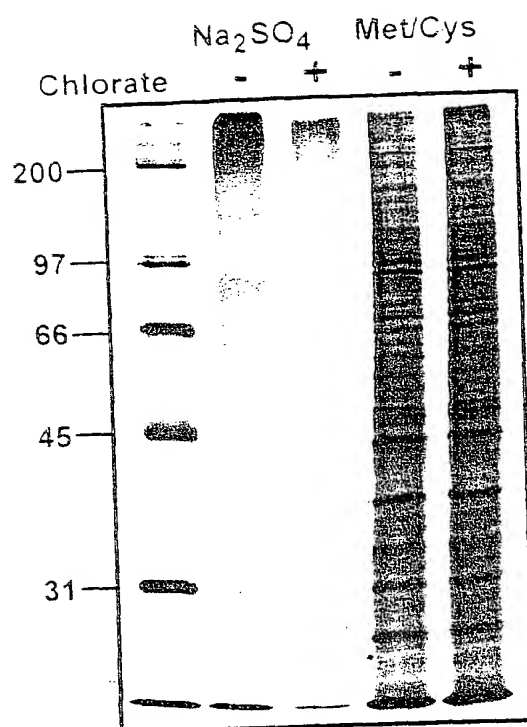


FIGURE 9 B

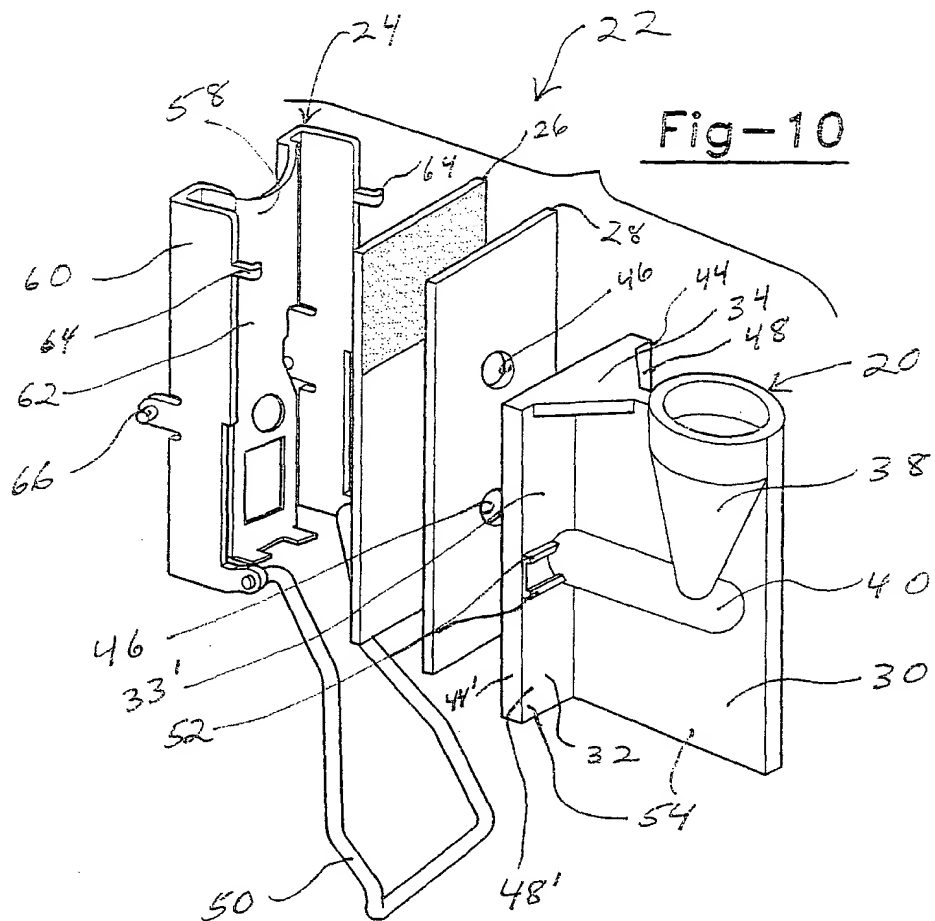


Fig-10

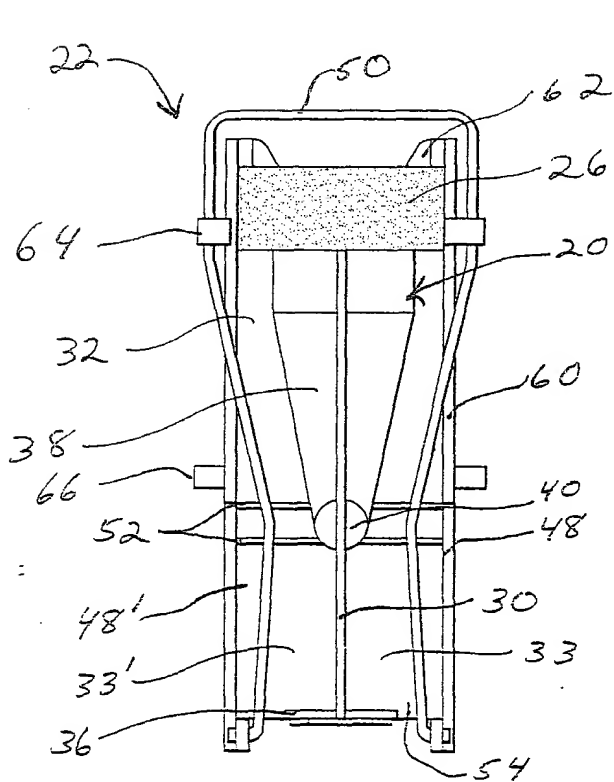


Fig-11

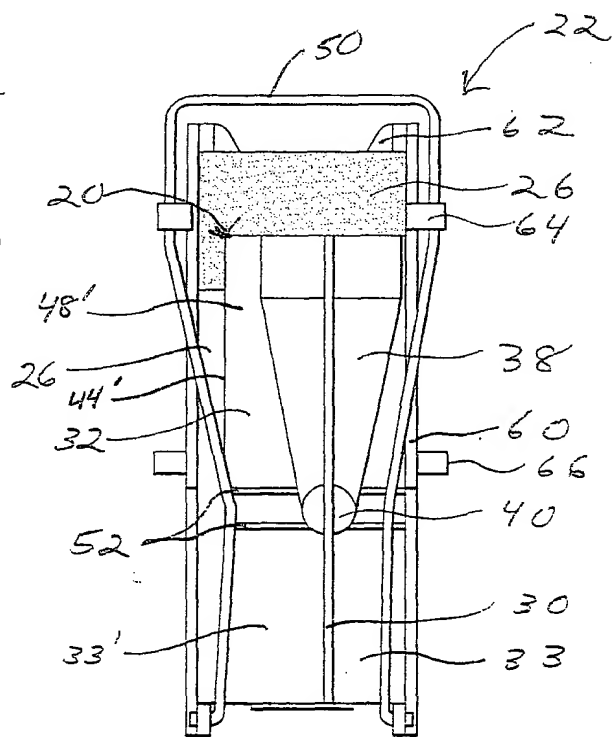


Fig-12

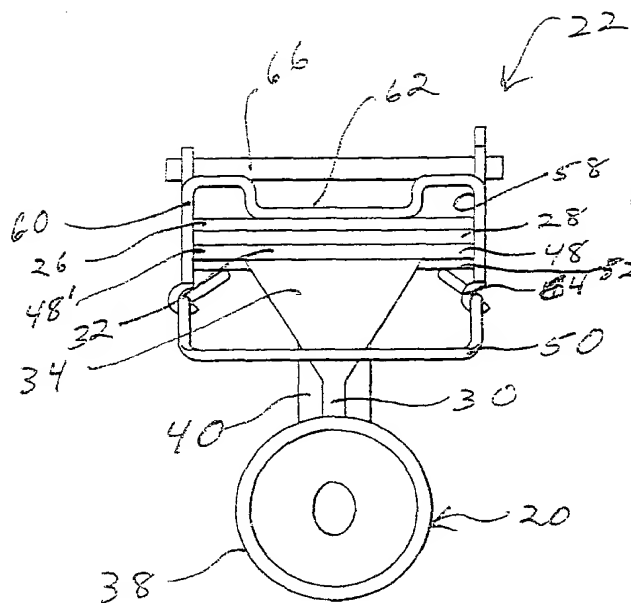


Fig-13

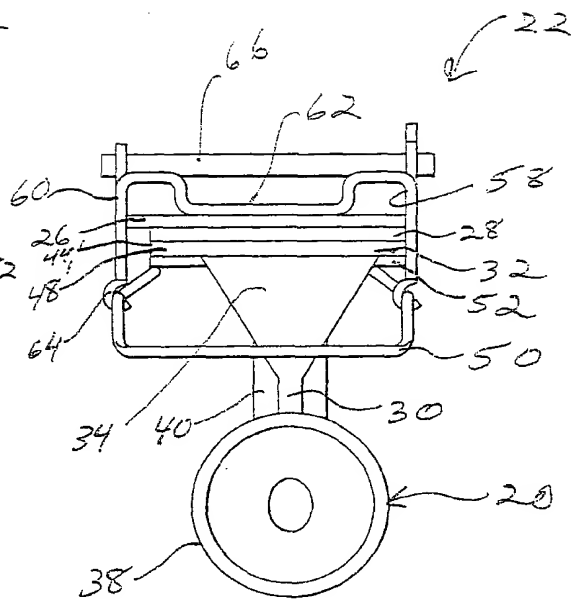


Fig-14

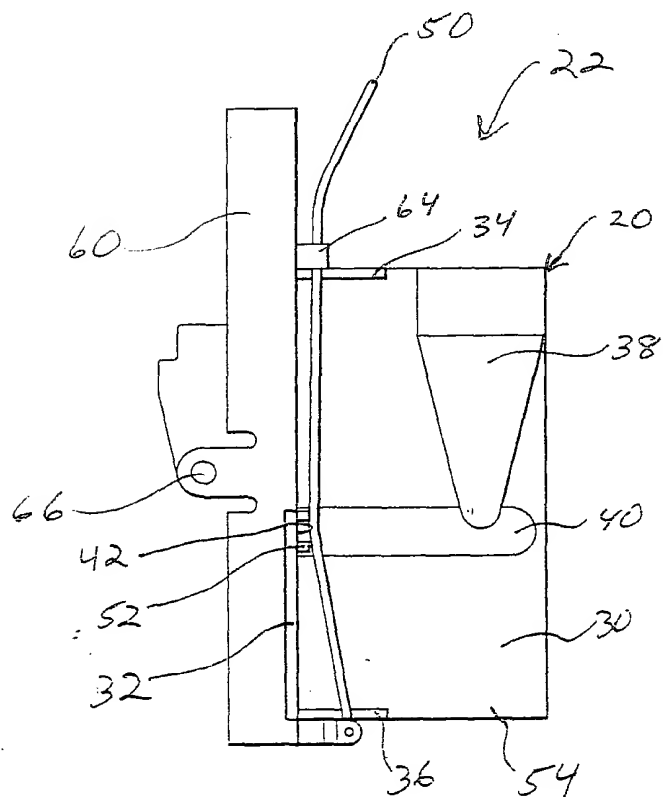


Fig-15

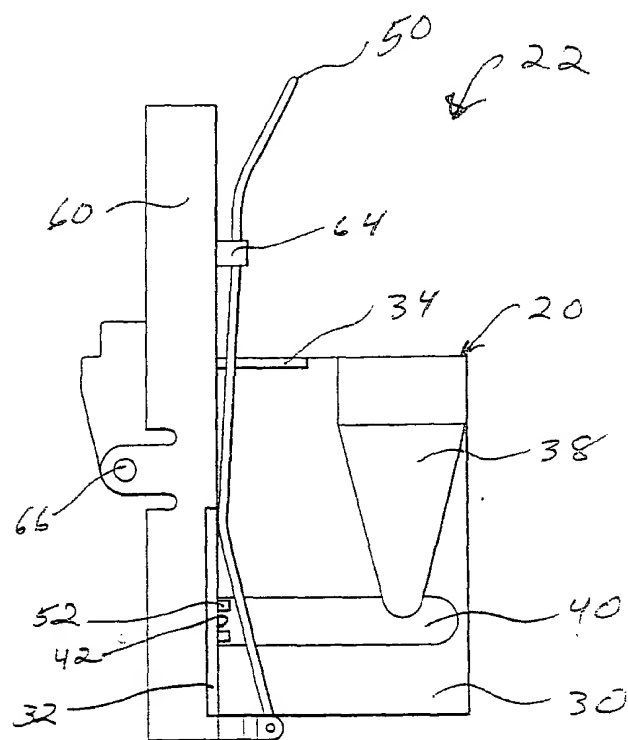


Fig-16

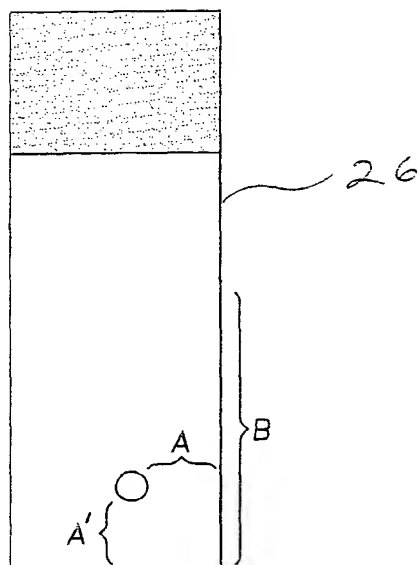


Fig-17

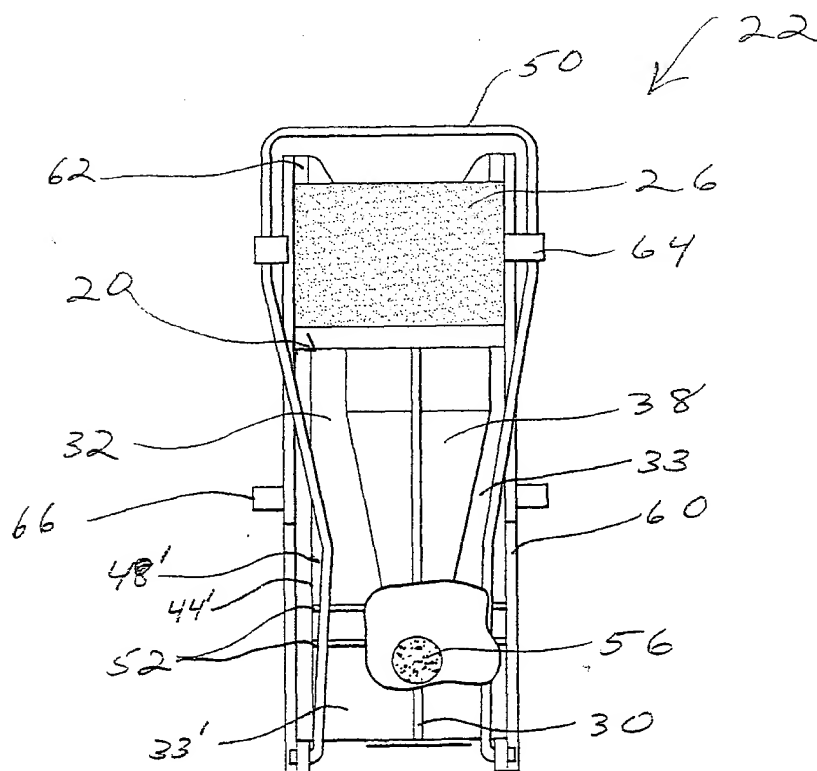


Fig-18

006T20" 0626T960

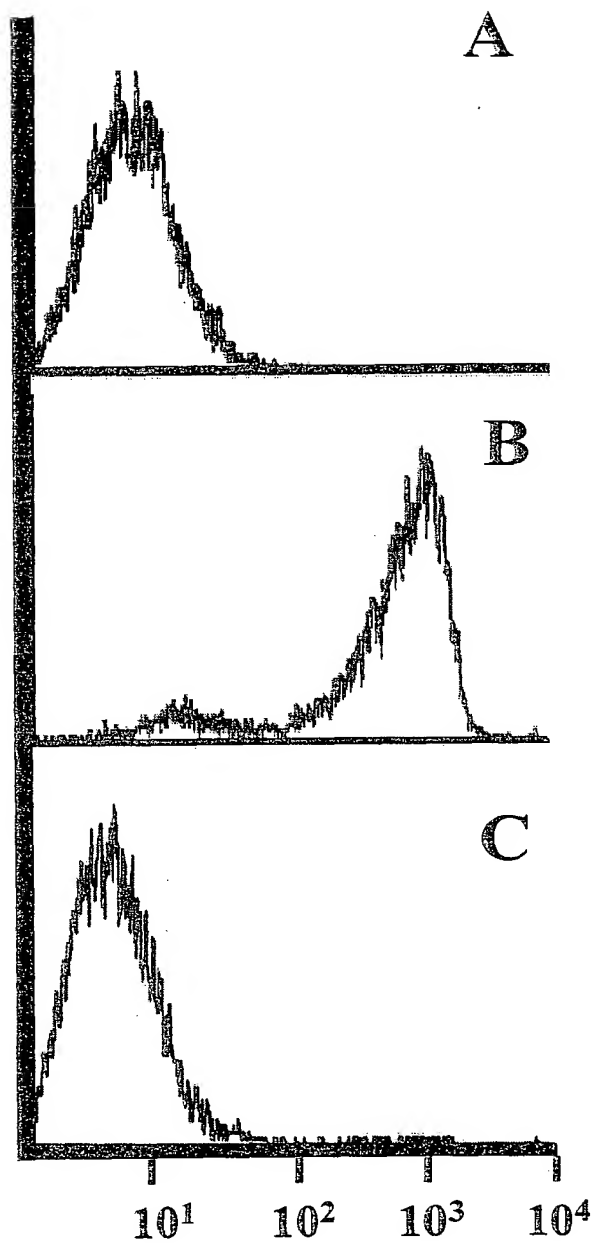
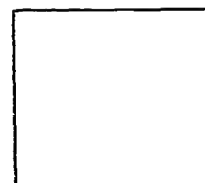


FIGURE 19 A, B, C



(A)

KG1a Cells

Isotype

PSGL-1

HL-60 Cells

Isotype

PSGL-1

Cell Frequency

10^1

10^2

10^3

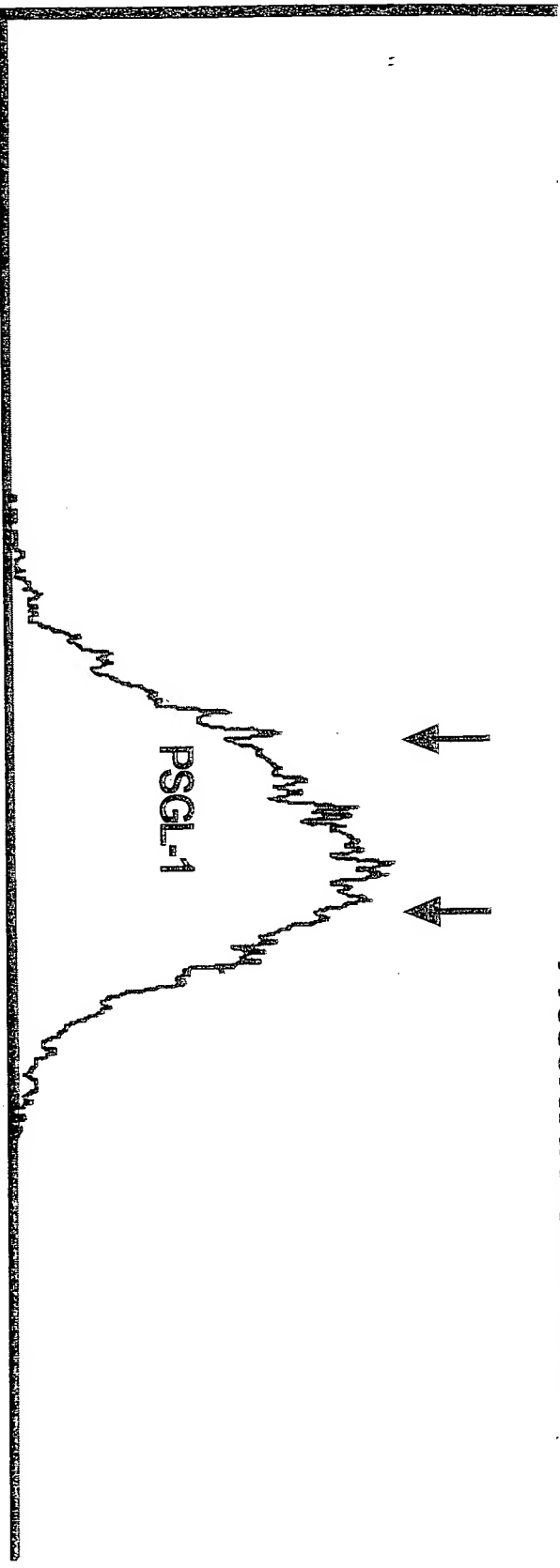
10^4

Fluorescence Intensity

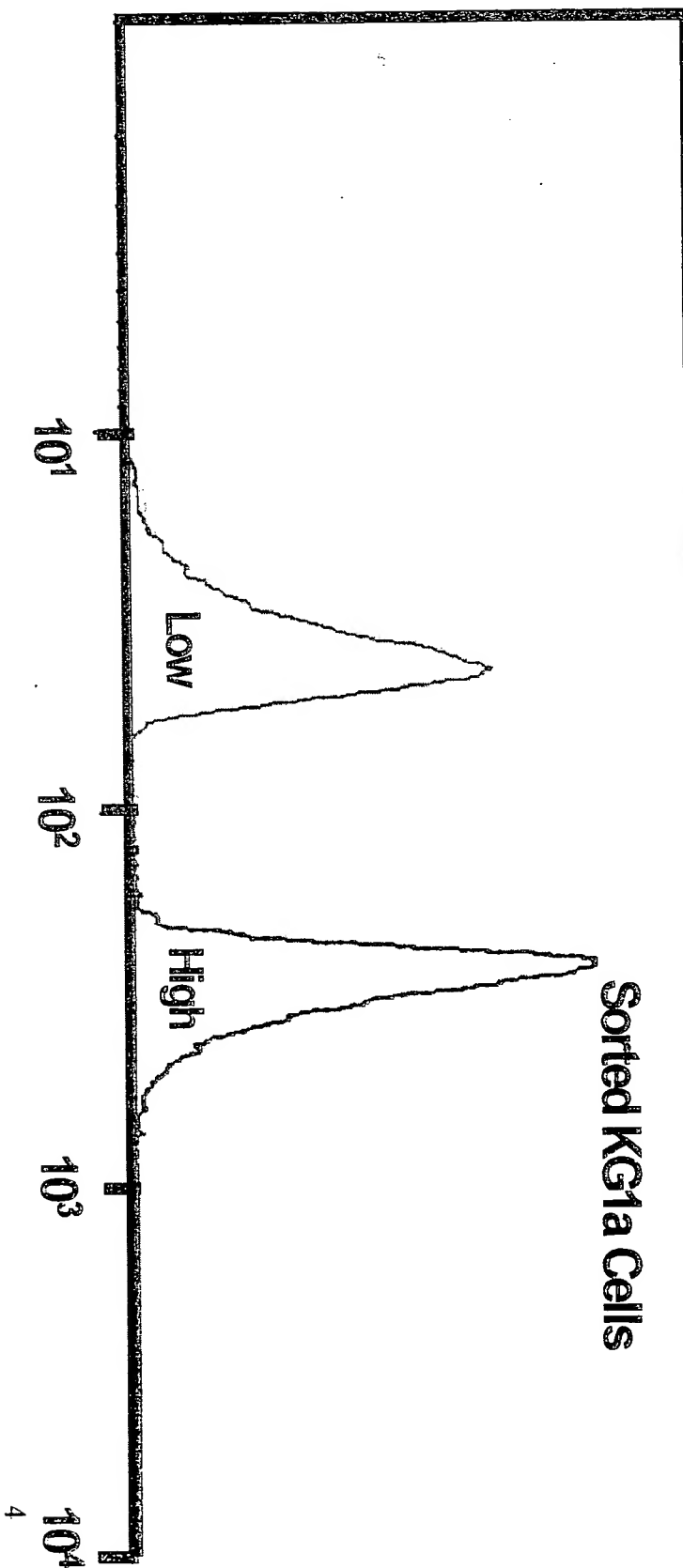
096319290 071900
FIGURE 20

Presorted KG1a Cells

Cell Frequency



Sorted KG1a Cells



Fluorescence Intensity

PSGL-1



(B) N-glycan branch specificity of Endo-N-glycosidases

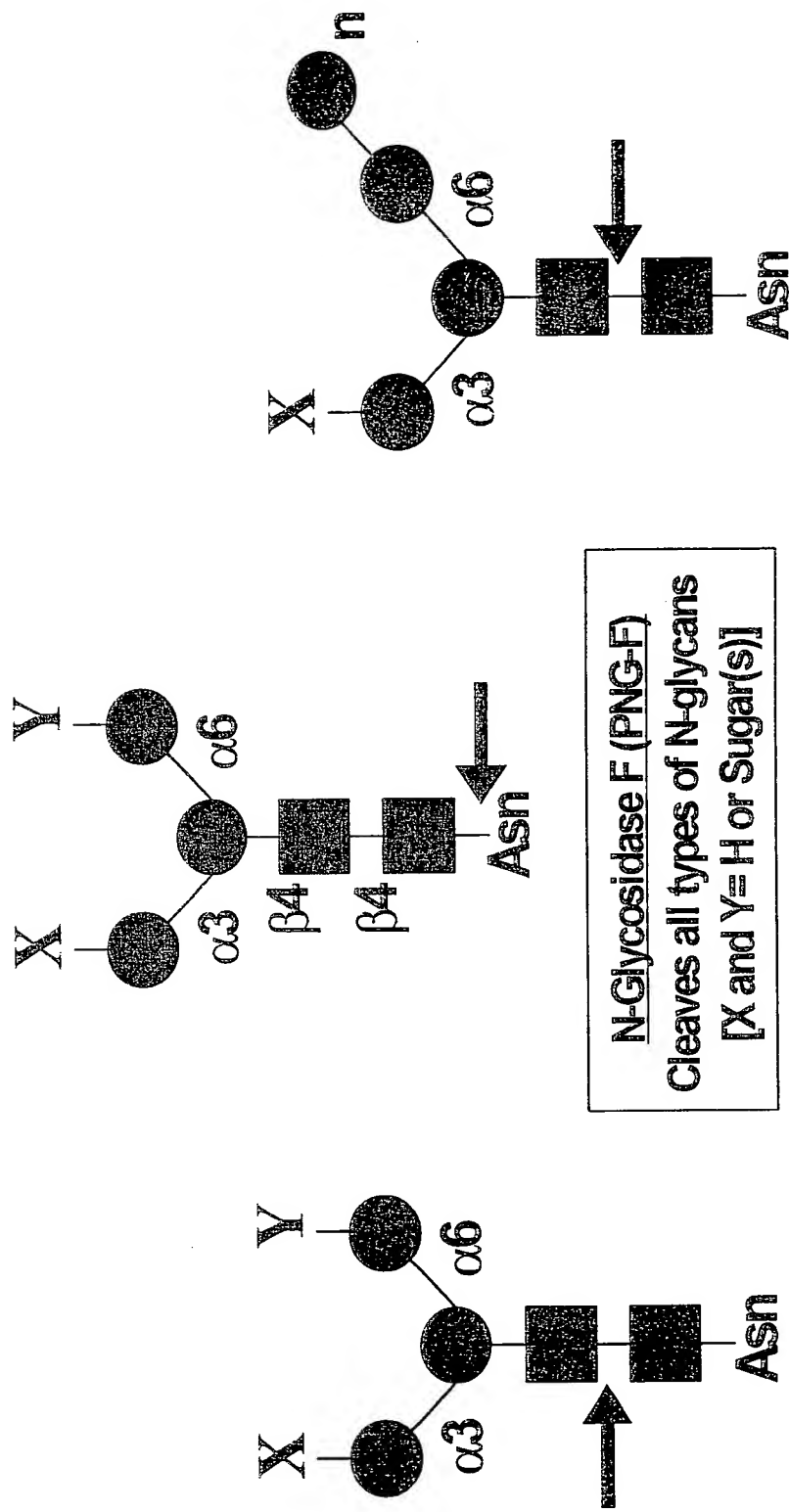
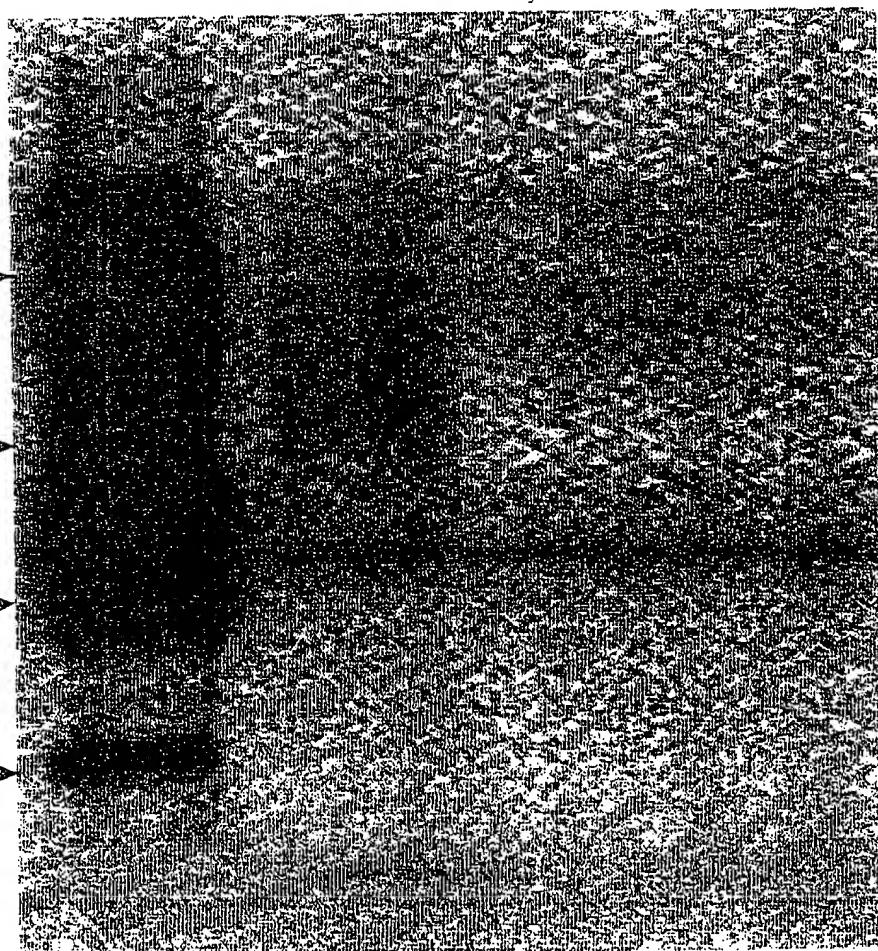


FIGURE 22 B

Endoglycosidase F₂
Cleaves only biantennary complex (X and Y= chain elongation) and to some extent (20 fold lower) high mannose types

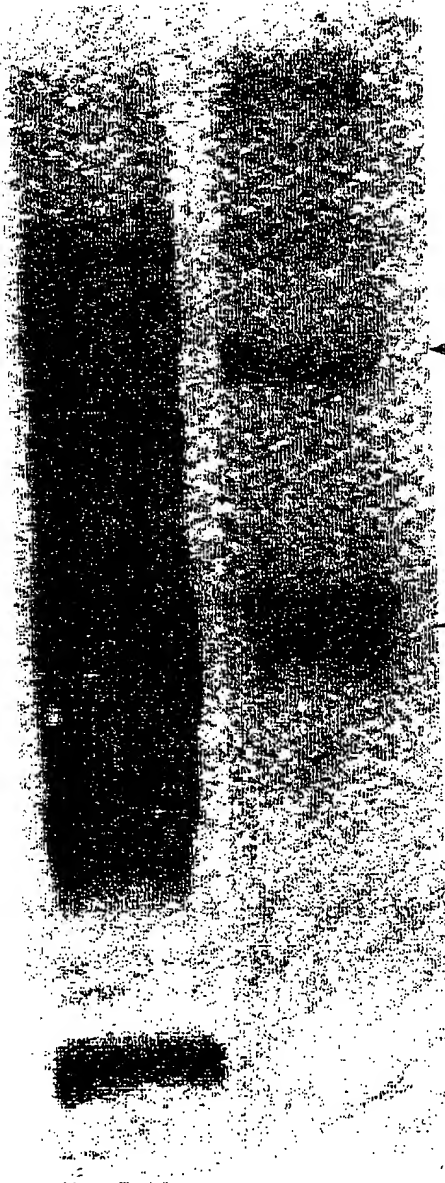
Endoglycosidase H
Cleaves only high mannose (n= mannose₂₋₁₅₀ and X= mannose 1-2) and hybrid (non-complex) types (n= 2 and X= chain elongation)

● = Mannose ■ = N-acetylglucosamine

A.**KG1a****HL-60****RPMI 8402****K562****220kDa →****140kDa →****98kDa →****64kDa →****FIGURE 23A**

B.**HECA-452****1****2****PSGL-1****3****4**

005720" 0626T960



← 220kDa →

← 140kDa →

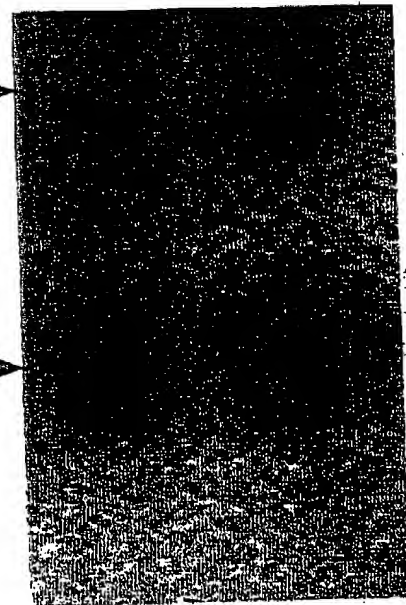


Fig 23 B

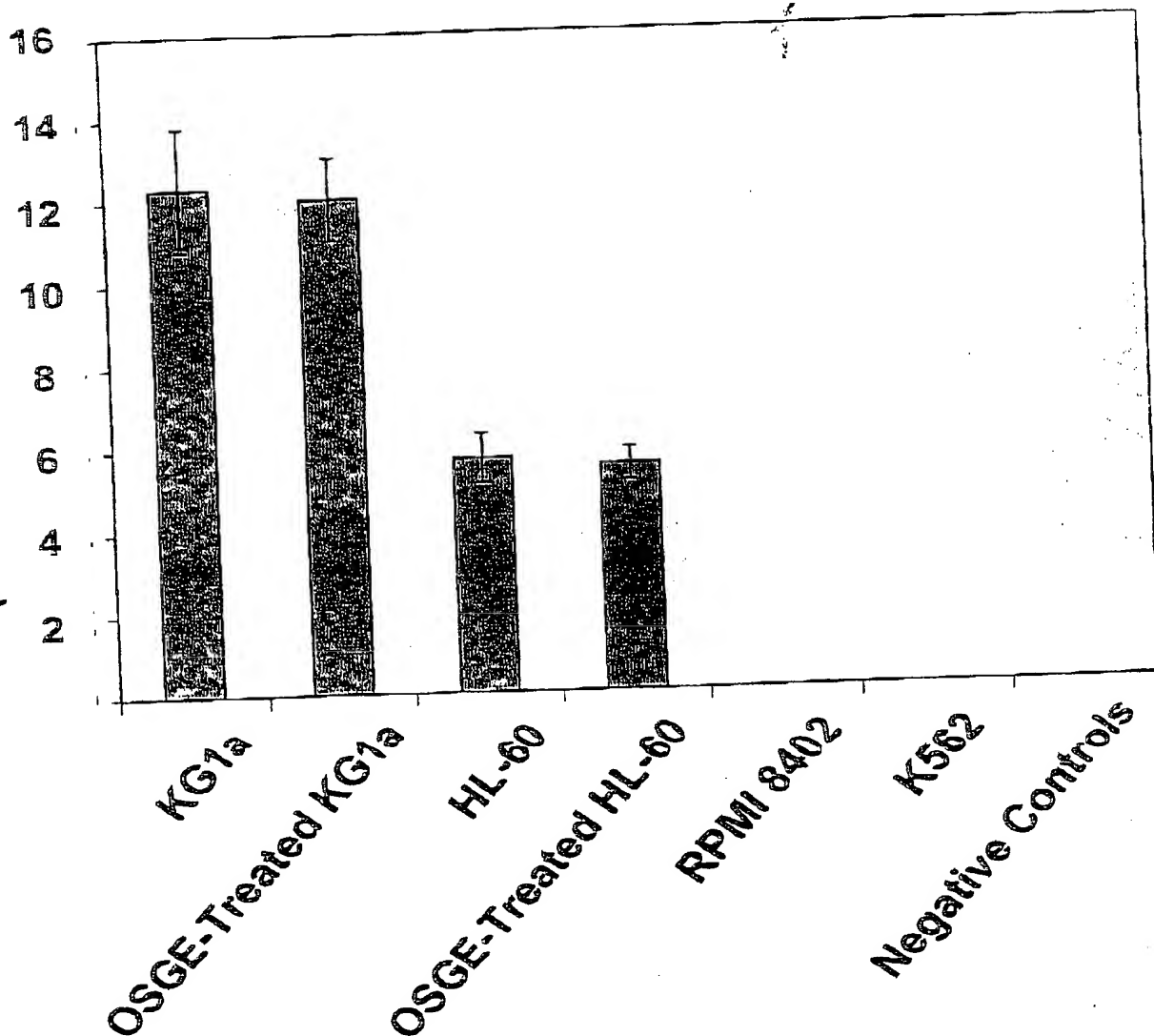
C.**E-selectin Ligand Activity**
(Mean CHO-E Cell Rolling/Field)

Fig 23C

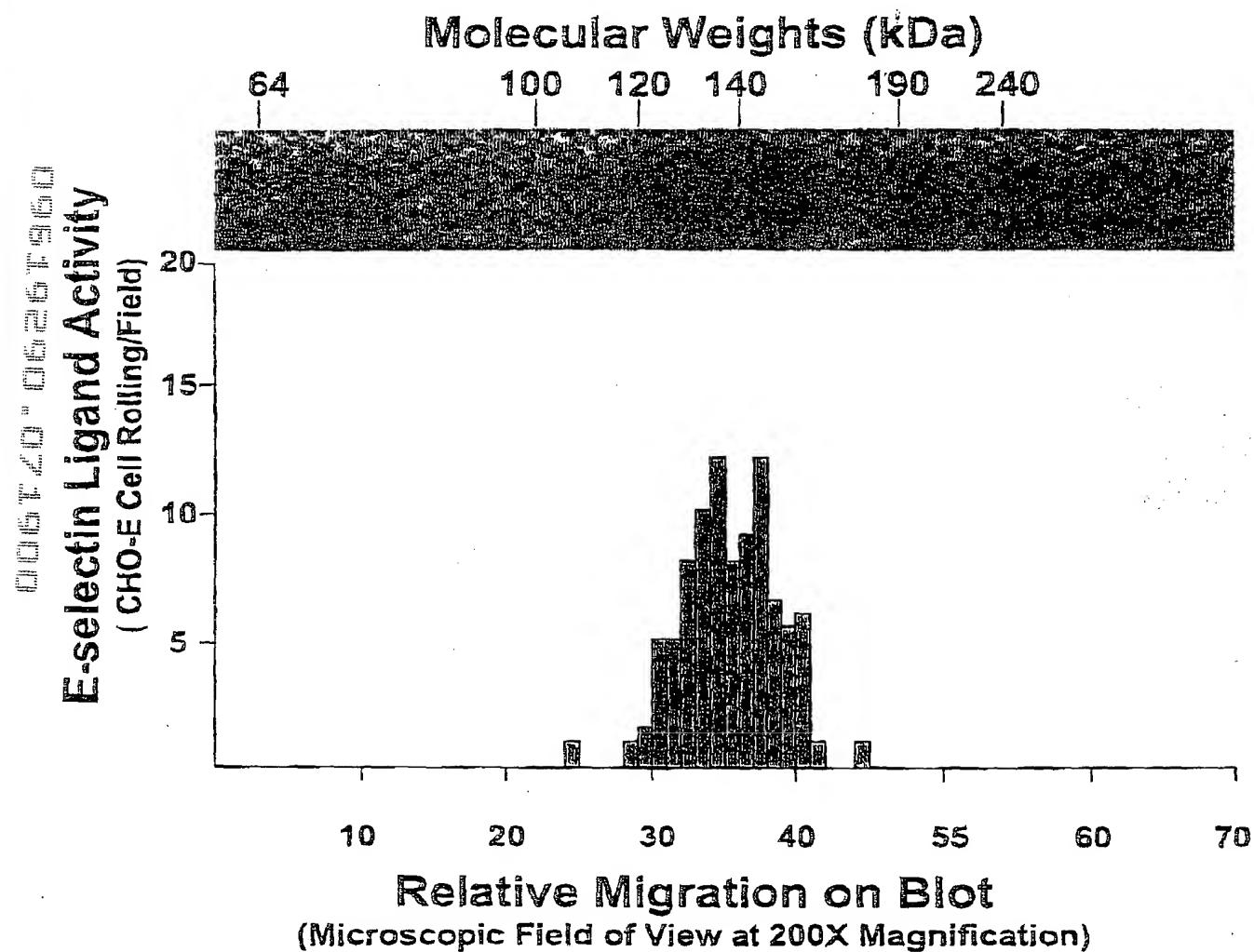
A.

Fig 24A

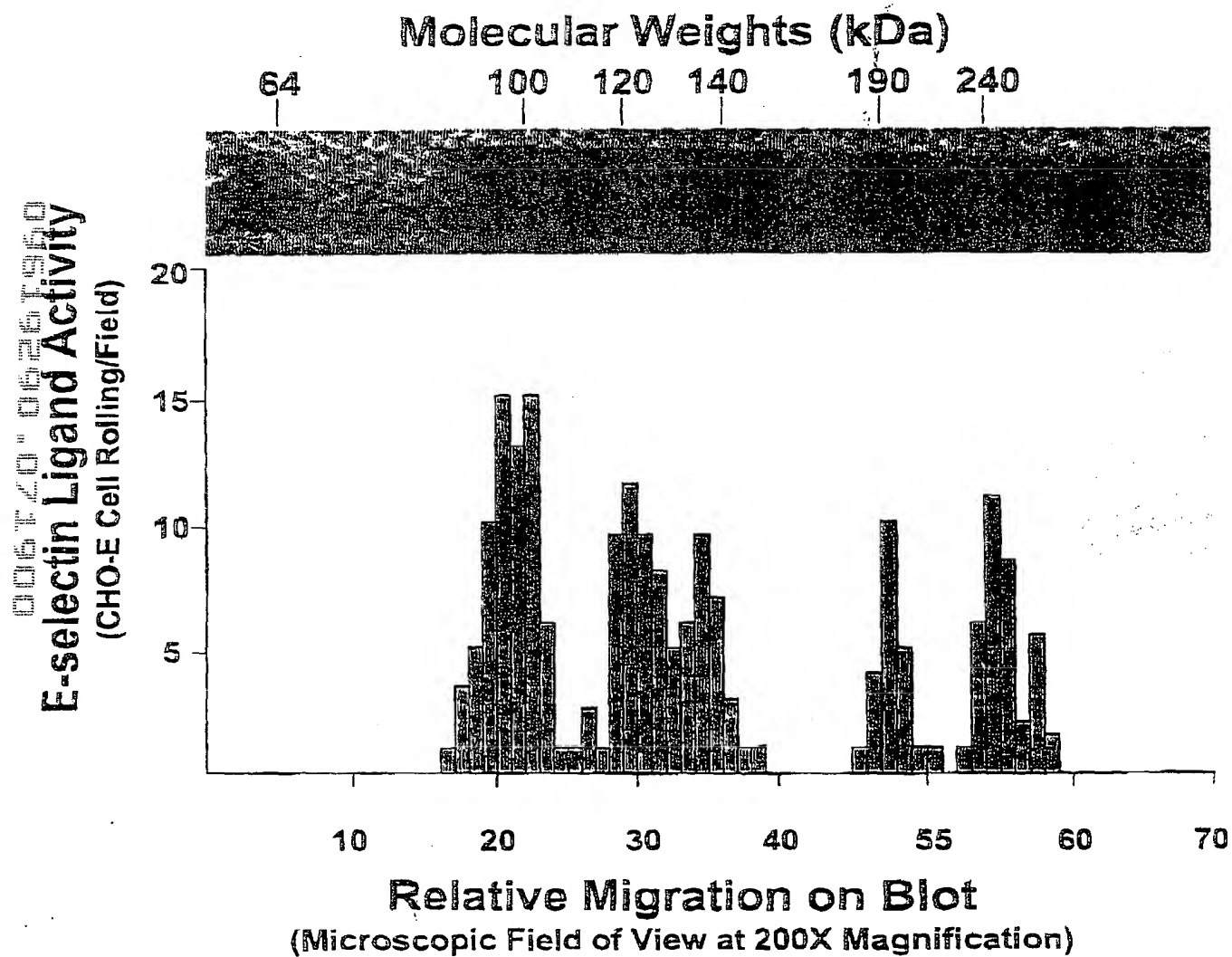
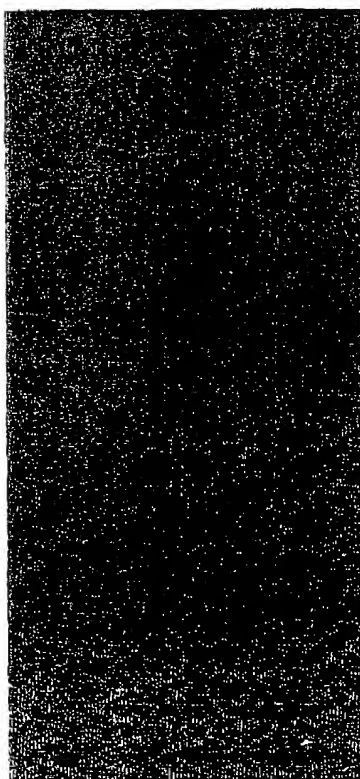
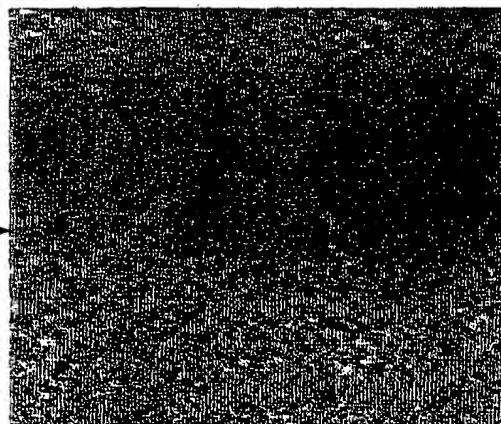
B.

Fig 24B

A.**KG1a****N-Glycosidase-F Treated****200kDa →****140kDa →****98kDa →****64kDa →****Fig 25A**

B.**Isotype Control****CD44****N-Glycosidase-F Treated****98kDa →****0±0****24.0±5.0****1.0±1.0**

E-selectin Ligand Activity
(Mean CHO-E Cell Rolling on 98kDa Band)

Fig 25 B

C.

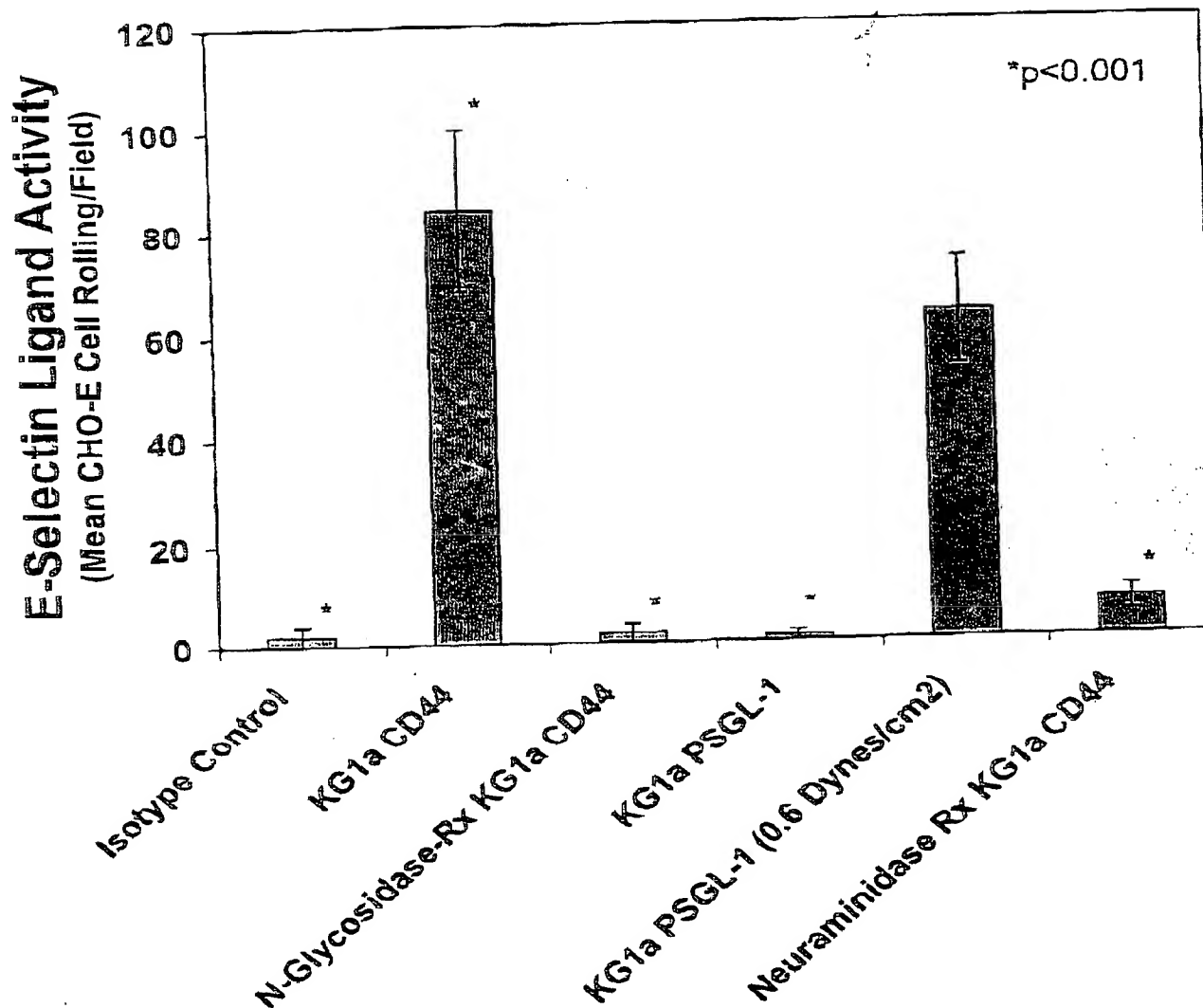


Fig 25 C

A.

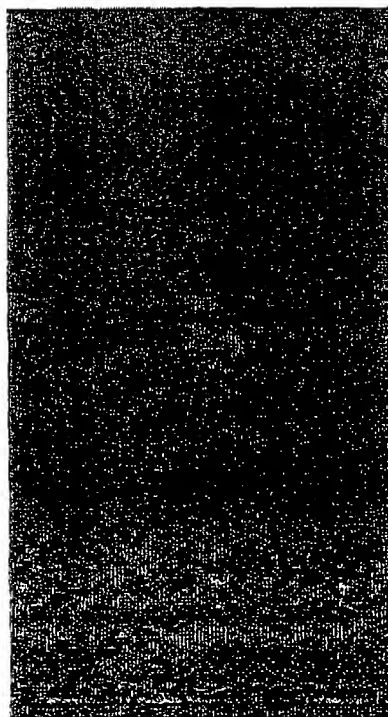
AML M5
N-Glycosidase-F Treated

200kDa →

140kDa →

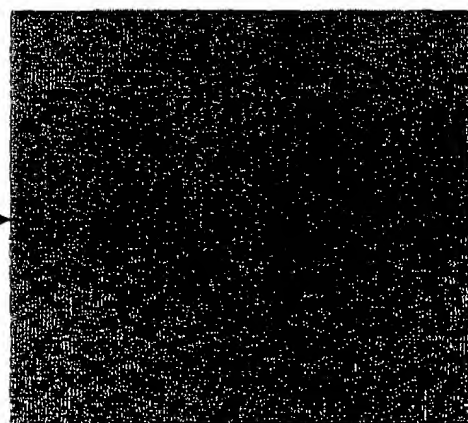
98kDa →

64kDa →

**Fig 26A**

B.*Isotype Control*
*AML M5**N-Glycosidase-F Treated*

98kDa →



0±0

19.0±5.0

0±0

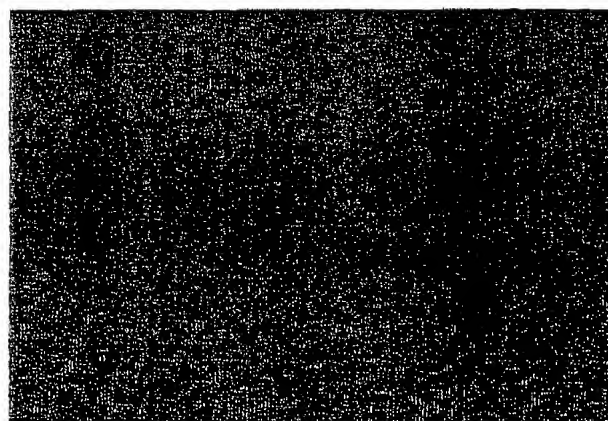
E-selectin Ligand Activity
(Mean CHO-E Cell Rolling on 98kDa Band)

Fig 26 B

A.

006T20" 0626T960

98kDa →

**HECA-452**

16.6±2.7	8.7±2.1	0.8±0.8	0±0
----------	---------	---------	-----

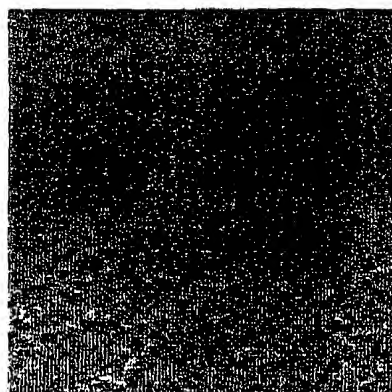
E-selectin Ligand Activity
(Mean CHO-E Cell Rolling on 98kDa Band)

Fig 27A

B.

Isotype Control
BMEC

98kDa →



Hermes-1

Fig 27B

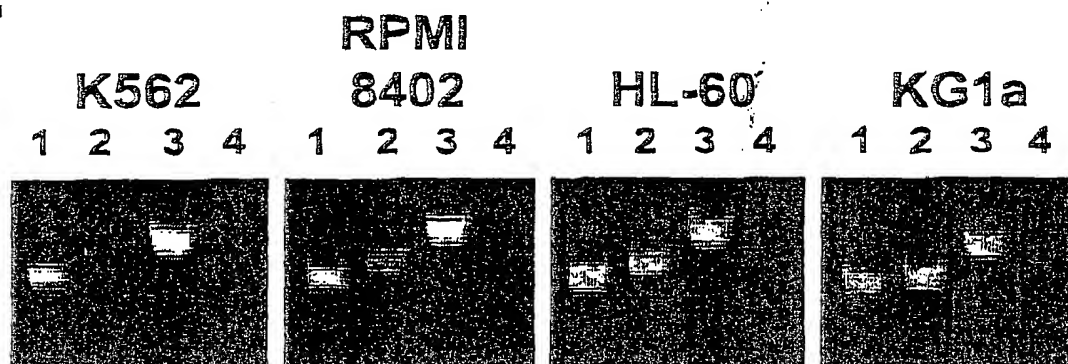
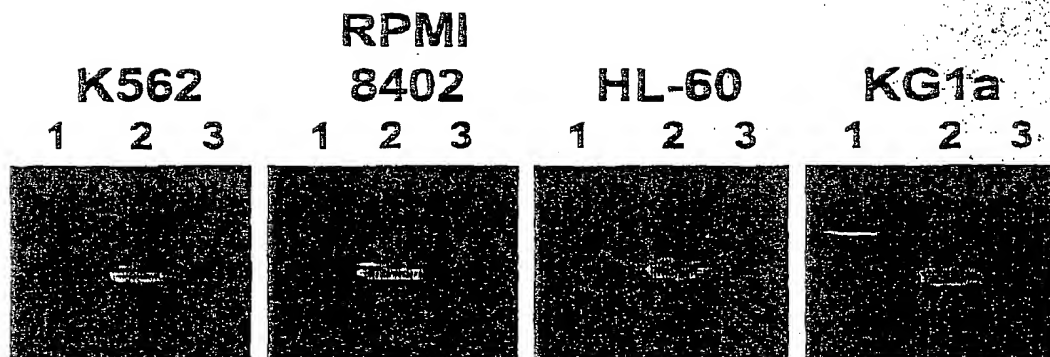
A.**B.**

Fig 28